

Release notes for ENDF/B Development e-089_Ac_000
evaluation

ENDF
B-VII.dev

October 13, 2016

- fudge-4.0 Warnings:

1. Mislabelled emitted particle
Reading ENDF file: ../e-089_Ac_000.endf (Error # 0): ZAP messed up

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
2. FIXME: Generic fudge unimplemented message
reaction label 1: e- + Ac + gamma [bremsstrahlung] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data
3. FIXME: Generic fudge unimplemented message
reaction label 2: e- + Ac [excitation] / Product: e- (Error # 0): Generic unimp (c)

WARNING: Checking not yet implemented for energyLoss type data

- fudge-4.0 Errors:

1. Calculated and tabulated thresholds don't agree
reaction label 0: e- + Ac [large angle Coulomb scattering] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
2. Calculated and tabulated thresholds don't agree
reaction label 1: e- + Ac + gamma [bremsstrahlung] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
3. Calculated and tabulated thresholds don't agree
reaction label 2: e- + Ac [excitation] / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 10. eV!
4. Calculated and tabulated thresholds don't agree
reaction label 3: e- + e- + Ac1s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 107190. eV!
5. Calculated and tabulated thresholds don't agree
reaction label 4: e- + e- + Ac2s1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 19848. eV!
6. Calculated and tabulated thresholds don't agree
reaction label 5: e- + e- + Ac2p1/2 / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 19163. eV!
7. Calculated and tabulated thresholds don't agree
reaction label 6: e- + e- + Ac2p3/2 / Cross section: (Error # 0): Threshold mismatch

- WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 15883. eV!
8. Calculated and tabulated thresholds don't agree
reaction label 7: $e^- + e^- + Ac3s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4974.3 eV!

 9. Calculated and tabulated thresholds don't agree
reaction label 8: $e^- + e^- + Ac3p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4654.7 eV!

 10. Calculated and tabulated thresholds don't agree
reaction label 9: $e^- + e^- + Ac3p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3903.9 eV!

 11. Calculated and tabulated thresholds don't agree
reaction label 10: $e^- + e^- + Ac3d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3379.6 eV!

 12. Calculated and tabulated thresholds don't agree
reaction label 11: $e^- + e^- + Ac3d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 3224.1 eV!

 13. Calculated and tabulated thresholds don't agree
reaction label 12: $e^- + e^- + Ac4s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1249.5 eV!

 14. Calculated and tabulated thresholds don't agree
reaction label 13: $e^- + e^- + Ac4p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 1104.8 eV!

 15. Calculated and tabulated thresholds don't agree
reaction label 14: $e^- + e^- + Ac4p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 911.4400000000001 eV!

 16. Calculated and tabulated thresholds don't agree
reaction label 15: $e^- + e^- + Ac4d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 675.51 eV!

 17. Calculated and tabulated thresholds don't agree
reaction label 16: $e^- + e^- + Ac4d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 639.62 eV!

 18. Calculated and tabulated thresholds don't agree
reaction label 17: $e^- + e^- + Ac4f5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 328.9 eV!

19. Calculated and tabulated thresholds don't agree
reaction label 18: $e^- + e^- + Ac4f7/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 319.74 eV!
20. Calculated and tabulated thresholds don't agree
reaction label 19: $e^- + e^- + Ac5s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 274.1 eV!
21. Calculated and tabulated thresholds don't agree
reaction label 20: $e^- + e^- + Ac5p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 218.79 eV!
22. Calculated and tabulated thresholds don't agree
reaction label 21: $e^- + e^- + Ac5p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 174.66 eV!
23. Calculated and tabulated thresholds don't agree
reaction label 22: $e^- + e^- + Ac5d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 92.81999999999999 eV!
24. Calculated and tabulated thresholds don't agree
reaction label 23: $e^- + e^- + Ac5d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 86.38 eV!
25. Calculated and tabulated thresholds don't agree
reaction label 24: $e^- + e^- + Ac6s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 45.17 eV!
26. Calculated and tabulated thresholds don't agree
reaction label 25: $e^- + e^- + Ac6p1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 29.31 eV!
27. Calculated and tabulated thresholds don't agree
reaction label 26: $e^- + e^- + Ac6p3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 21.95 eV!
28. Calculated and tabulated thresholds don't agree
reaction label 27: $e^- + e^- + Ac6d3/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4.49 eV!
29. Calculated and tabulated thresholds don't agree
reaction label 28: $e^- + e^- + Ac6d5/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 4. eV!

30. Calculated and tabulated thresholds don't agree
reaction label 29: $e^- + e^- + Ac7s1/2$ / Cross section: (Error # 0): Threshold mismatch

WARNING: Calculated and tabulated thresholds disagree: 1.e-5 eV vs 5.41 eV!

• `xsectplotter` Warnings:

1. Mislabeled emitted particle
Error: ZAP messed up

stderr while processing crossSection

WARNING: photon most likely labelled as an electron (ZAP = 11), converting to ZAP = 0
... [4 more lines]